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(54) Catechol diether compounds as inhibitors of TNF release

(57) This invention relates to the use of catechol diether compounds for the manufacture of a medicament for use as an inhibitor of tumor necrosis factor (TNF). The catechol diether compounds are useful as inhibitors of TNF per se and in the treatment or alleviation of inflammatory conditions or disease, including but not limited to

ited to rheumatoid arthritis, osteoarthritis, asthma, bronchitis, chronic obstructive airways disease, psoriasis, allergic rhinitis, dermatitis and inflammatory bowel disease, sepsis, septic shock, tuberculosis, graft versus host disease and cachexis associated with AIDS or cancer.

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AN5



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PARTIAL EUROPEAN SEARCH REPORT

Application Number

which under Rule 45 of the European Patent Convention EP 95 30 6159
shall be considered, for the purposes of subsequent
proceedings, as the European search report

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
E	WO 95 27692 A (SMITHKLINE BEECHAM CORPORATION) 19 October 1995 * the whole document *	1-10	A61K31/44 A61K31/50 A61K31/505 A61K31/165
P,X	EP 0 636 369 A (PFIZER INC.) 1 February 1995 * the whole document *	1-10	A61K31/415 A61K31/19 A61K31/09 A61K31/18
D,Y	WO 94 12461 A (PFIZER INC.) 9 June 1994 * the whole document *	1-10	
Y	TURNER CR ET AL: "Therapeutic intervention in a rat model of ARDS: IV. Phosphodiesterase IV inhibition." CIRC SHOCK, MAR 1993, 39 (3) P237-45, UNITED STATES, XP002042653 * abstract * * description *	1-10	
			TECHNICAL FIELDS SEARCHED (Int.Cl.8)
			A61K
INCOMPLETE SEARCH			
<p>The Search Division considers that the present European patent application does not comply with the provisions of the European Patent Convention to such an extent that it is not possible to carry out a meaningful search into the state of the art on the basis of some of the claims.</p> <p>Claims searched completely:</p> <p>Claims searched incompletely:</p> <p>Claims not searched:</p> <p>Reason for the limitation of the search:</p> <p>see sheet C</p>			
Place of search		Date of completion of the search	Examiner
THE HAGUE		6 October 1997	Mair, J
CATEGORY OF CITED DOCUMENTS			
<p>X : particularly relevant if taken alone</p> <p>Y : particularly relevant if combined with another document of the same category</p> <p>A : technological background</p> <p>O : non-written disclosure</p> <p>P : intermediate document</p>		<p>T : theory or principle underlying the invention</p> <p>E : earlier patent document, but published on, or after the filing date</p> <p>D : document cited in the application</p> <p>L : document cited for other reasons</p> <p>& : member of the same patent family, corresponding document</p>	

EPO FORM 1503 03/92 (P04C07)



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INCOMPLETE SEARCH
SHEET C

Application Number
EP 95 30 6159

Claim(s) searched completely:
0

Claim(s) searched incompletely:
1-10

Reason for the limitation of the search:

In view of the large number of compounds which are theoretically defined by the formula of claim 1, the search had to be restricted on economic grounds to the exemplified compounds and the general concept of the application.



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PARTIAL EUROPEAN SEARCH REPORT

Application Number

EP 95 30 6159

DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (InCL6)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
P,Y	<p>PRAKHABAR, U. ET AL: "Characterization of cAMP-dependent inhibition of LPS-induced TNF-alpha production by Rolipram, a specific phosphodiesterase IV (PDE IV) inhibitor"</p> <p>INTERNATIONAL JOURNAL OF IMMUNOPHARMACOLOGY, vol. 16, no. 10, October 1994, pages 805-816, XP002042654</p> <p>* the whole document *</p> <p>---</p>	1-10	
Y	<p>BARNETTE, M.S. ET AL: "SB 207499, a potent and selective phosphodiesterase (PDE) IV inhibitor, suppresses activities of several immune and inflammatory cells"</p> <p>AMERICAN JOURNAL OF RESPIRATORY CRITICAL CARE MEDICINE, vol. 149, 1994, page a209 XP002042655</p> <p>* the whole document *</p> <p>-----</p>	1-10	<p>TECHNICAL FIELDS SEARCHED (InCL6)</p>